

## Birthday Braille, for GDP

Comments, questions, corrections → @michelleful

*New letters are underlined the first time they appear.*

- 1) Clinton's VP was Bill Gore.
- 2) Her head is in the clouds; she's in the clouds and.
- 3) We're experiencing a pause of 15 seconds.
- 4) Helloooo, guys and guys!
- 5) Viva Vegas!
- 6) A waste product of the smelting process: slag.
- 7) It's transparent because it's made of glass.
- 8) Churchill: we shall not fail or fail. We shall go on to the end...
- 9) Prince Philip is notorious for his antics.
- 10) Confucius was a Chinese philosopher.
- 11) I don't think any one of you for crying.
- 12) Oxygen and nitrogen are gases.
- 13) Snagglepuss: Exit, snagglepuss left!
- 14) The fleet of ships sailed majestically into the harbor.
- 15) You must have cooked for hours, this is such a feast!
- 16) He resisted the urge to resist and made an effort to forgive himself.
- 17) How many pages does this document contain?

- 18) I was very impressed by her unorthodox by unorthodox approach to solving the problem.
- 19) It's lonely at the top .
- 20) The ball ricocheted off the unusually .
- 21) You have to admit, it was a pretty funny recurring of every war movie out there.
- 22) Don't underestimate the dog , it bites.
- 23) Remember sesame!
- 24) There was a definite rightwing spin to the paper's coverage.
- 25) Listen very carefully. I will say this only once .
- 26) A mathematician is a machine that turns conjectures into theorems.
- 27) She left him without so much as a backwards glance .
- 28) We have to track the runaway train of unemployment .
- 29) Do you want your ice cream in a cup or cone ?
- 30) Fifteen men on a dead man's chest .
- 31) It's raining, either take an umbrella or wear a raincoat .
- 32) He decorated his arrows with eagle feathers.
- 33) For the towns of the wild west, the arrival of the first movie show was a big event.
- 34) How about some fine old italian bolognese for dinner?
- 35) Complex characters aren't so hard once you know how they work.
- 36) Mister carver was the wood carver who made fantastic .

*Congratulations, you've already learned half the alphabet! Fill in the Braille for the letters you already know. Can you see a pattern? Can you guess how the other letters will look? Check back here as you learn more letters to see if your hypothesis was right.*

A	B	C	D	E	F	G	H	I	J
⠠	⠠	⠠	⠠	⠠	⠠	⠠	⠠	⠠	⠠
⠠	⠠	⠠	⠠	⠠	⠠	⠠	⠠	⠠	⠠
⠠	⠠	⠠	⠠	⠠	⠠	⠠	⠠	⠠	⠠
K	L	M	N	O	P	Q	R	S	T
⠠	⠠	⠠	⠠	⠠	⠠	⠠	⠠	⠠	⠠
⠠	⠠	⠠	⠠	⠠	⠠	⠠	⠠	⠠	⠠
⠠	⠠	⠠	⠠	⠠	⠠	⠠	⠠	⠠	⠠

37) She could talk the ⠠⠠⠠⠠⠠⠠ off a donkey.

38) She ⠠⠠⠠⠠⠠⠠ him for not replying to her letters.

39) They're ⠠⠠⠠⠠⠠⠠ married in Aruba, it's a ⠠⠠⠠⠠⠠⠠ wedding.

40) The boy scout ⠠⠠⠠⠠⠠⠠ the old lady ⠠⠠⠠⠠ the bus.

41) I don't know, I don't think this case is so cut - ⠠⠠⠠⠠ - ⠠⠠⠠⠠⠠⠠.

42) Police reported ⠠⠠⠠⠠⠠⠠ ⠠⠠⠠⠠⠠ of blood on the sheets.

43) The spy was ⠠⠠⠠⠠ down while another man ⠠⠠⠠⠠⠠⠠ him for information.

44) Don't put the clothes into the ⠠⠠⠠⠠⠠, we'll just let them ⠠⠠⠠⠠ - ⠠⠠⠠⠠.

45) If you're ⠠⠠⠠⠠⠠⠠ you know it ⠠⠠⠠⠠ your hands!

46) Her room is the ⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠, it's like a ⠠⠠⠠⠠⠠⠠.

47) ⠠⠠⠠⠠⠠⠠⠠⠠ off my ⠠⠠⠠⠠ in shock.

48) ⠠⠠⠠⠠⠠⠠ is the name of a ⠠⠠⠠⠠⠠⠠⠠⠠ language and also a snake.

- 49) He refused to have lender his gun in the theater .
- 50) Some butterflies rely on the evolutionary process of adaptation to survive.
- 51) The hourly wage is currently pegged at \$7.25.
- 52) His treacherous friend betrayed the king .
- 53) The government is for the .
- 54) The suspects fidgeted nervously in the the theater .
- 55) Be our friend, be our enemy, but our service to the king .
- 56) The king showed us some of his treasures !
- 57) The systems are for the theater .
- 58) The king at his crush's door.
- 59) In a single smooth motion, he threw the ball onto his friend .
- 60) How many do do you know ?
- 61) Did you remember to bring the ?
- 62) The king the ball before the .
- 63) The king followed the Pan into the .
- 64) The is a famous Alfred Hitchcock movie.
- 65) Go this way the .
- 66) The king and the its tail at the sight of the king .
- 67) The is the king of our theater .
- 68) We are for the returning king .



79) The contestant asked if she \_\_\_\_\_.

80) This is, a solar flare burst is seen on the surface of the sun.

81) The **Wanderers** set off on their **annual** **journey**, **continuing** **to** pursuing their **traditional** **ways**.

82) The **discovery** of the **cause** leads **her** to **believe** she **comes** from **Germany**.

83) תָּחִיבֵנוּ לְהַחֲזִיק בְּכֵלֵינוּ לְפָנֶיךָ יְיָ אֱלֹהֵינוּ .

84) “      ,” he snored.

85) “𐎠𐎢𐎡𐎢𐎠𐎢𐎡𐎢𐎠”, “𐎠𐎢𐎡𐎢𐎠𐎢𐎡𐎢𐎠”, “𐎠𐎢𐎡𐎢𐎠𐎢𐎡𐎢𐎠”, “𐎠𐎢𐎡𐎢𐎠𐎢𐎡𐎢𐎠”, and “𐎠𐎢𐎡𐎢𐎠𐎢𐎡𐎢𐎠” are all 𐎠𐎢𐎡𐎢𐎠𐎢𐎡𐎢𐎠 now used 𐎠𐎢𐎡𐎢𐎠𐎢𐎡𐎢𐎠.

86) תאריך: 07.09.2017 שם: דניאל בן יעקב

[illegible]

88)  $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$   $\frac{1}{4} \times \frac{1}{4} = \frac{1}{16}$   $\frac{1}{16} \times \frac{1}{16} = \frac{1}{256}$   $\frac{1}{256} \times \frac{1}{256} = \frac{1}{65536}$

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90) יתאבדו ילדיהם וילדיהם יתאבדו, יתאבדו ילדיהם וילדיהם יתאבדו

## BONUS!

Now you know your numbers too!

*All numbers in sentences are underlined.*

$$x^{\alpha} \cdot \frac{1}{x^{\alpha}} = 1 \quad \text{for } x \neq 0.$$

$\frac{d}{dt} \left( \frac{\partial L}{\partial v^j} - p_j \right) = 0$

$$\frac{1}{2} \left( \frac{1}{2} + \frac{1}{2} \right) = \frac{1}{2}$$
[illegible][illegible]
$$\begin{array}{ccccccc} \cdot & \cdot & \cdot \\ \cdot & \cdot & \cdot \\ \cdot & \cdot & \cdot \end{array}) \quad \underline{\begin{array}{cc} \cdot & \cdot \\ \cdot & \cdot \end{array}} \quad \begin{array}{ccccccc} \cdot & \cdot & \cdot & \cdot & \cdot & \cdot & \cdot \\ \cdot & \cdot & \cdot & \cdot & \cdot & \cdot & \cdot \\ \cdot & \cdot & \cdot & \cdot & \cdot & \cdot & \cdot \end{array} \quad \underline{\begin{array}{cc} \cdot & \cdot \\ \cdot & \cdot \end{array}} \quad \begin{array}{ccccccc} \cdot & \cdot & \cdot & \cdot & \cdot & \cdot & \cdot \\ \cdot & \cdot & \cdot & \cdot & \cdot & \cdot & \cdot \\ \cdot & \cdot & \cdot & \cdot & \cdot & \cdot & \cdot \end{array} \quad \underline{\begin{array}{cc} \cdot & \cdot \\ \cdot & \cdot \end{array}}$$

۱۰۰) ۱۰۰ ۱۰۰ ۱۰۰ ۱۰۰ ۱۰۰ ۱۰۰ ۱۰۰ ۱۰۰ ۱۰۰ ۱۰۰

ii) the  $\mathbb{Z}_2$ -action on  $\mathbb{Z}_2$  is given by  $\sigma \cdot \tau = \tau$  for all  $\sigma, \tau \in \mathbb{Z}_2$ .

[illegible]
$$\begin{array}{r} 12 \times 100 = 1200 \\ 12 \times 10 = 120 \\ 12 \times 1 = 12 \\ \hline 1320 \end{array}$$

*Did you figure out the pattern? Fill in the blanks to make it crystal clear:*

[illegible]